

Title (en)
Method of displaying image.

Title (de)
Verfahren zur Bildanzeige.

Title (fr)
Méthode pour afficher une image.

Publication
EP 0193151 A2 19860903 (EN)

Application
EP 86102358 A 19860224

Priority

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- JP 3707885 A 19850226
- JP 3707985 A 19850226

Abstract (en)
A method of displaying graphic image surface information data of an object (4) lying within a three-dimensional space on a two-dimensional display screen (5) when seen from a predetermined observing point (3) is disclosed. A patch of the surface (4A) of an object (4) is separated into plural triangular units (UA1, UA2), and image information data (luminance, visible-nonvisible, and distance) are all represented at the three apexes (PX) of each triangular unit area (UA1, UA2) which includes a number of display pixels. The positional data at the three apexes (PX) are transformed from three- to two-dimensional space. The other image information data are calculated in accordance with interpolation calculation. Prior to the interpolation calculation a display area is determined and a triangular area including pixels to be processed is determined to reduce the processing time. This process is repeated for the entire surface (4A) to be displayed.

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G06F 15/72

IPC 8 full level
G06T 15/00 (2011.01); **G06T 15/50** (2011.01)

CPC (source: EP US)
G06T 15/005 (2013.01 - EP US); **G06T 15/50** (2013.01 - EP US)

Citation (applicant)

- FR 2541797 A1 19840831 - INT REMOTE IMAGING SYSTEMS INC [US]
- W.N. NEWMAN; R.F. SPROULL: "Principles of Interactive Computer Graphics", 1982, MCGRAW-HILL, pages: 355 - 410

Cited by
FR2693012A1; US5914721A; EP0314341A3; GB2243523A; GB2243523B; US6618047B1; WO9301561A1

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